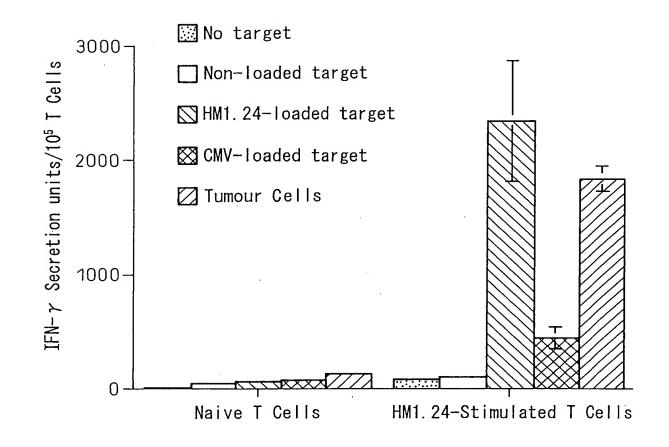
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¹/₁₄

Fig.1

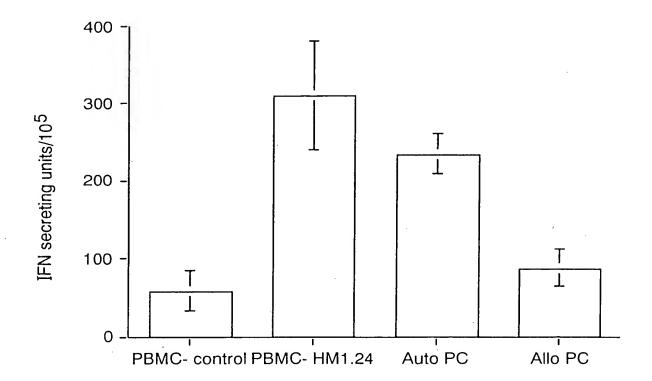
)



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 $\frac{2}{14}$

Fig.2



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Fig.3

Flow cytometric-based Cytotoxicity Assays

Label Plasma cells with PKH 26

Incubate with Effector T cells for 4 hrs 37C (20:1 or 10:1 ratio)

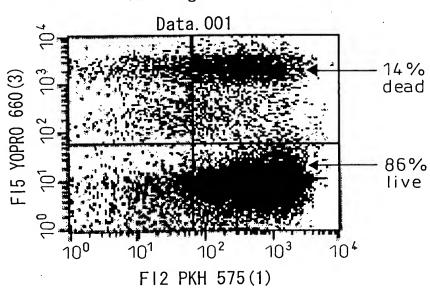
Add Topro-3 iodide to stain dead cells

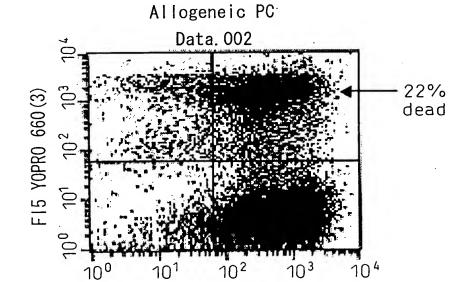
Run on flow cytometer

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4/₁₄
Fig.4

Autologous PC



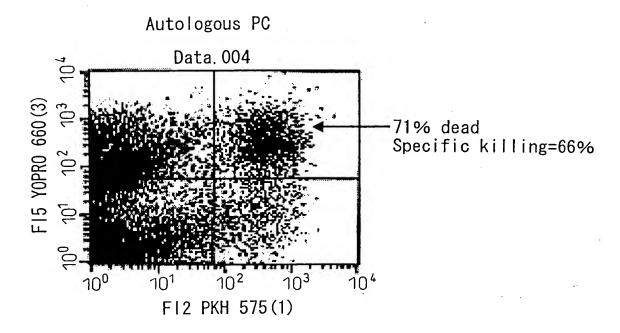


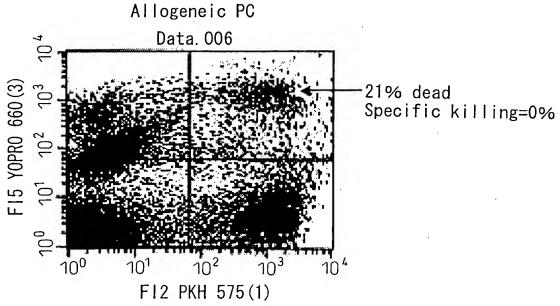
F12 PKH 575(1)

PC=plasma cells

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Fig.5



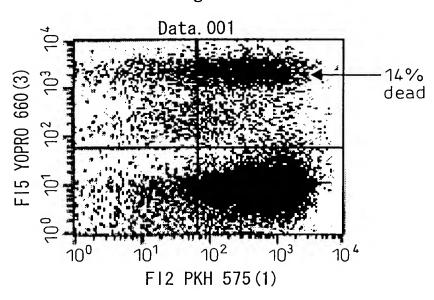


Specific killing=<u>% dead in test sample-background % death</u>
100%-background % death

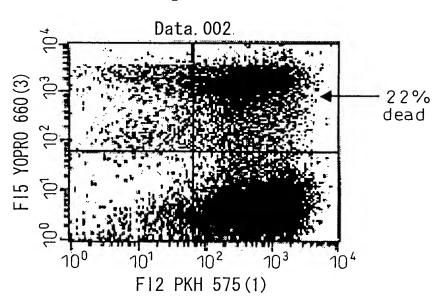
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⁶/₁₄ Fig.6

Autologous PC



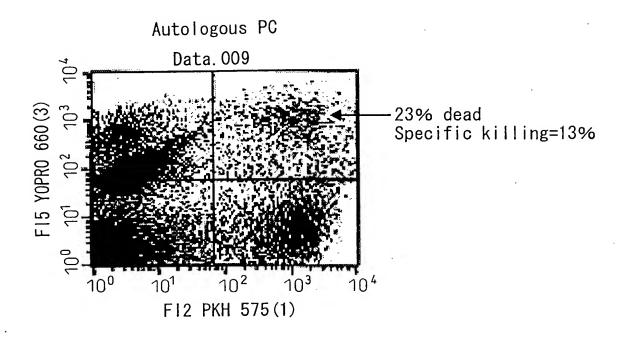
Allogeneic PC



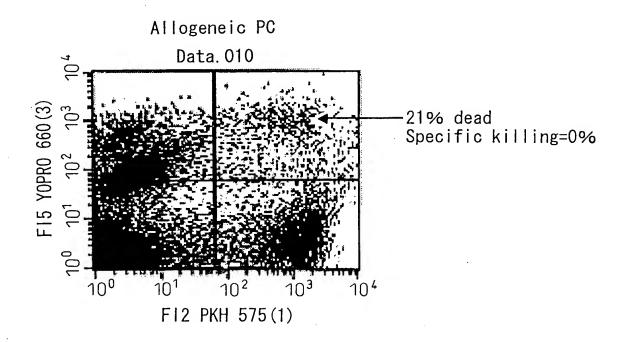
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Fig.7



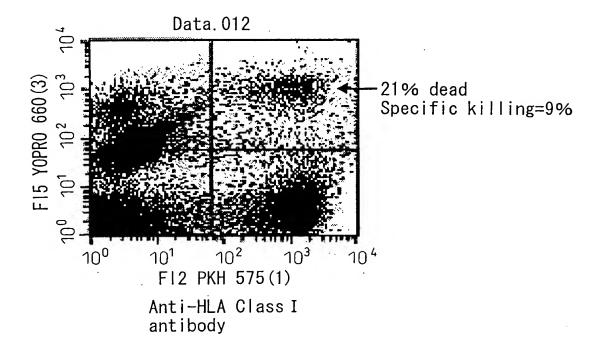
)



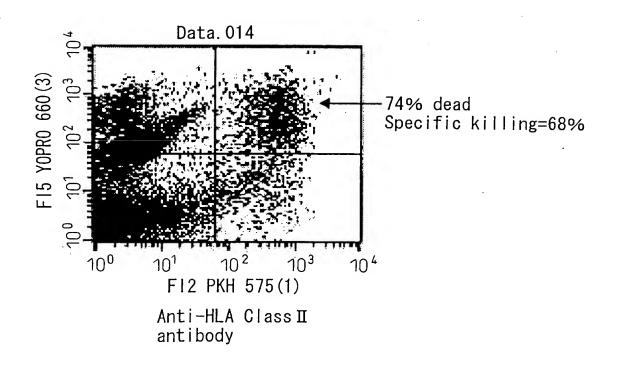
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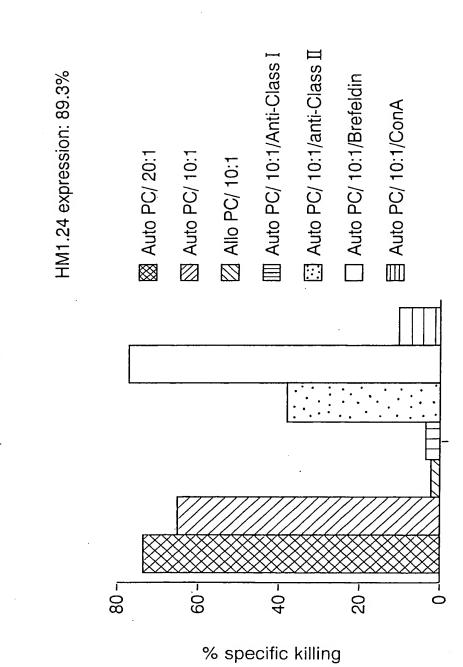
Fig.8



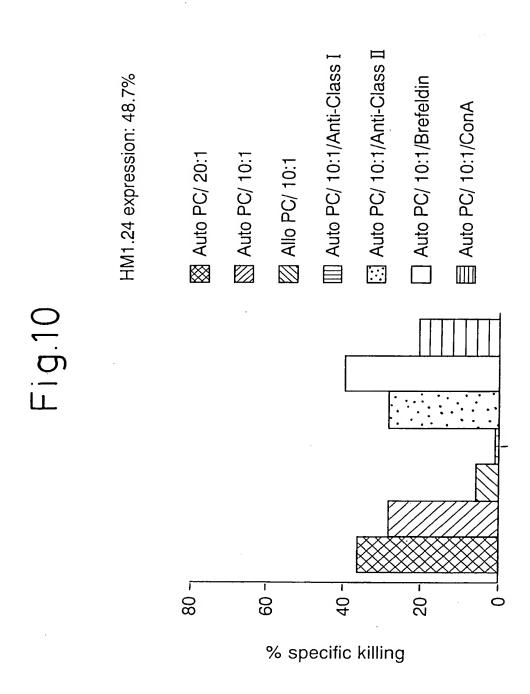
)



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☑ Auto PC/ 10:1/Anti-Class II ☑ Control CTL/Auto PC/ 10:1 ■ Auto PC/ 10:1/Anti-Class ☐ Auto PC/ 10:1/Brefeldin HM1.24 expression: 99% Auto PC/ 10:1/ConA ☑ Allo PC/ 10:1 40 -

-09

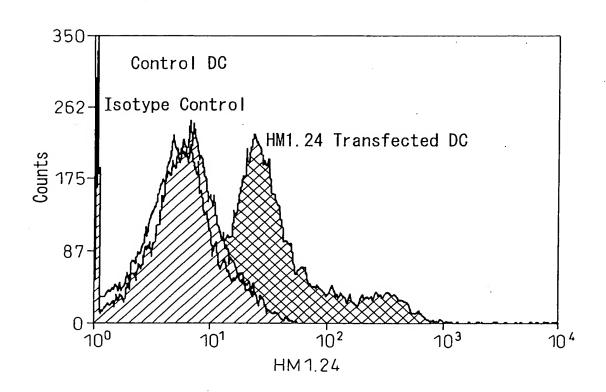
% specific killing

50

80

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Fig.12



VACCINES

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Fig.13

△ Auto PC/ 10:1
 △ Allo PC/ 10:1
 ☑ Control CTL/Auto PC/ 10:1
 ☑ Control CTL/Allo PC/ 10:1
 ☑ Auto PC/ "cold" inhibition with HM1.24-DC at 3:1
 ☑ Auto PC/"cold" inhibition with control DC at 10:1
 ☑ Auto PC/ "cold" inhibition with control DC at 10:1

% specific killing

VACCINES

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HM1.24 expression: 89%

Matto PC/ "cold" inhibition with control DC Mato PC/"cold" inhibition with HM1.24-DC Auto PC/ 10:1/Anti-Class II 🔳 Auto PC/ 10:1/Anti-Class I ☑ Allo PC/ 10:1 1007 75 50 25 0

% specific killing

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